

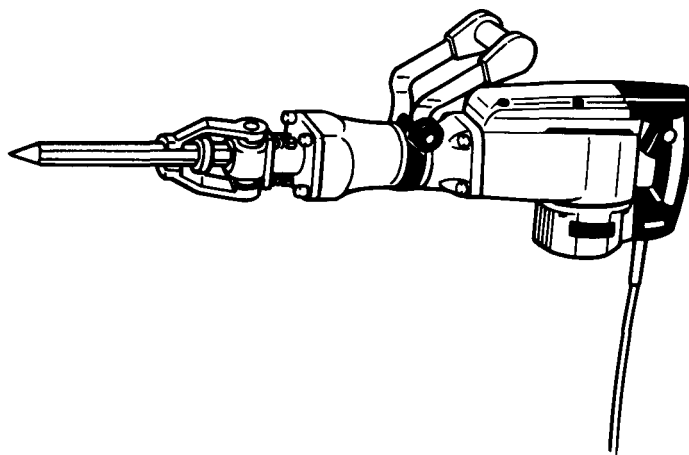
Makita

アメリカ

Demolition Hammer

MODEL HM1500B

INSTRUCTION MANUAL



**DOUBLE
INSULATION**

SPECIFICATIONS

Blows per minute	Overall length	Net weight
1,300	807 mm (31-3/4")	19 kg (42 lbs)

* Manufacturer reserves the right to change specifications without notice.

* Note: Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
6. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
9. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
16. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
17. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
18. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
19. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
20. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
21. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

ADDITIONAL SAFETY RULES

1. **Wear a hard hat (safety helmet), safety glasses and/or face shield. It is also highly recommended that you wear a dust mask, ear protectors and thickly padded gloves.**
2. **Be sure the bit is secured in place before operation.**
3. **Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.**
4. **In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.**
5. **Always be sure you have a firm footing.
Be sure no one is below when using the tool in high locations.**
6. **Hold the tool firmly with both hands.**
7. **Keep hands away from moving parts.**
8. **Do not leave the tool running. Operate the tool only when hand-held.**
9. **Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.**
10. **When chipping into walls, floors or wherever "live" electrical wires may be encountered, DO NOT TOUCH ANY METAL PARTS OF THE TOOL!
Hold the tool by the insulated grasping surfaces to prevent electric shock if you chip into a "live" wire.**
11. **Do not touch the bit or parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.**

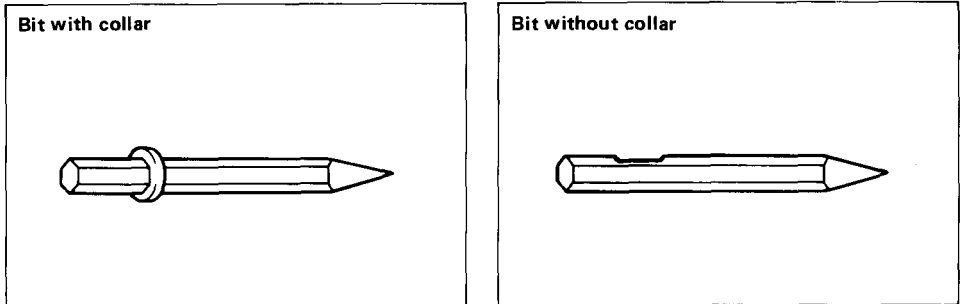
SAVE THESE INSTRUCTIONS.

Installing or removing bull point or other bits (cold chisel, etc.)

CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the bit.

This tool accepts bits either with or without a collar on its shank.



To install the bit, follow either procedure (1) or (2) described below.

(1) For bits with a collar :

Pivot the tool retainer back and slightly downward. Insert the bit into the tool holder as far as it will go. To securely retain the bit, return the tool retainer to its original position.

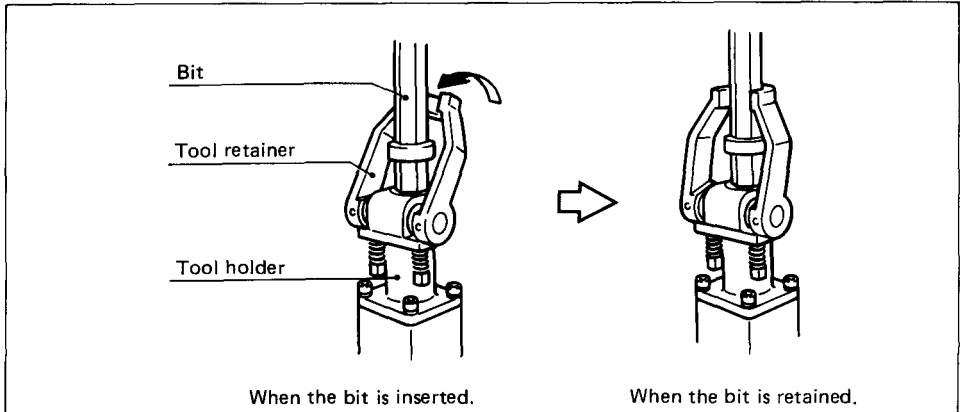


Fig. (1)

CAUTION:

Always assure that the bit is securely retained by attempting to pull the bit out of the tool holder after completing the above procedure.

(2) For bits without a collar:

Pivot the tool retainer back and slightly downward. With the notched portion of the bit facing the tool retainer shaft, insert the bit into the tool holder as far as it will go. Then pivot the tool retainer further downward toward the cylinder A to securely retain the bit.

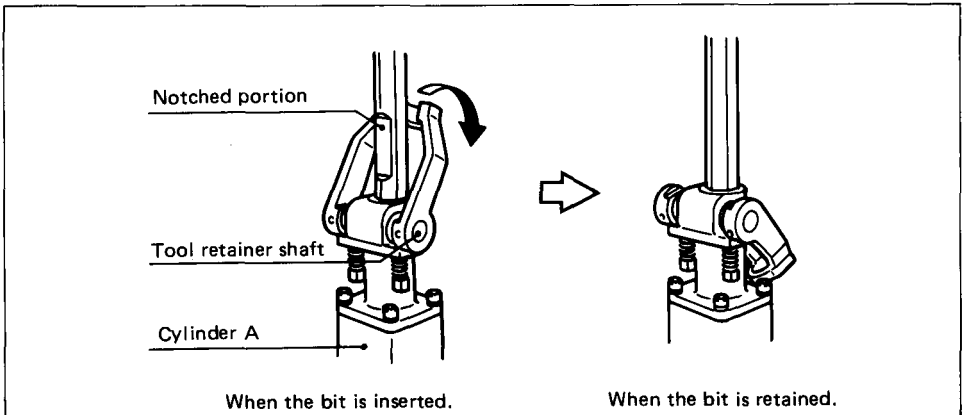


Fig. (2)

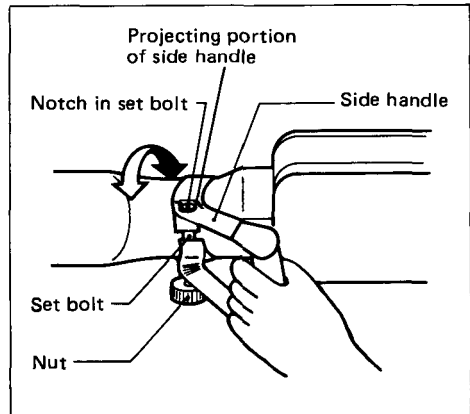
CAUTION:

- Always assure that the bit is securely retained by attempting to pull the bit out of the tool holder after completing the above procedure.
- The bit without a collar cannot be retained by the method shown in the figure (1).

To remove the bit, follow the installation procedures in reverse.

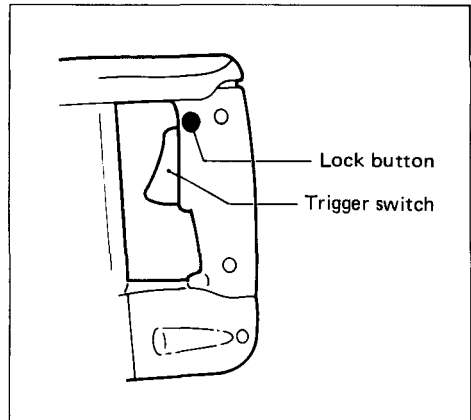
Side handle (auxiliary handle)

The side handle can be secured in any position. Loosen the nut and swing the side handle to the desired position. Then tighten the nut firmly to secure the side handle. If the set bolt turns together with the nut when you turn the nut, set the set bolt so that the projecting portion of the side handle is fitted into the notch in the bolt head.



Switch action

To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool from the locked position, pull the trigger fully, then release it.

**CAUTION:**

Before plugging in the tool, always check to see that the trigger switch actuates properly and returns to the "OFF" position when released.

Chipping · Scaling · Demolition

Hold the tool firmly with both hands. Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.

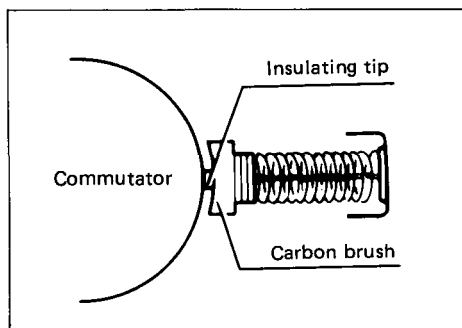
MAINTENANCE

CAUTION:

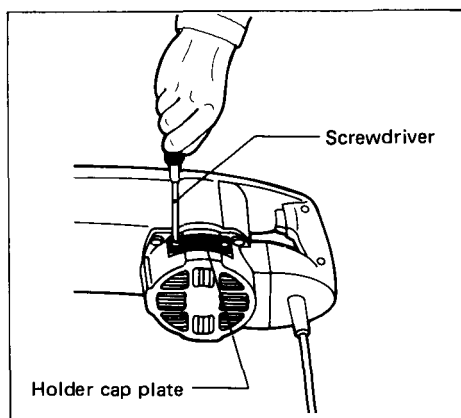
Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Replacing carbon brushes

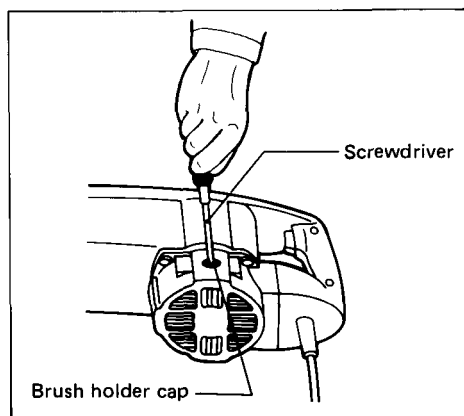
When the resin insulating tip inside the carbon brush is exposed to contact the commutator, it will automatically shut off the motor. When this occurs, both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



Use a screwdriver to remove the holder cap plates.



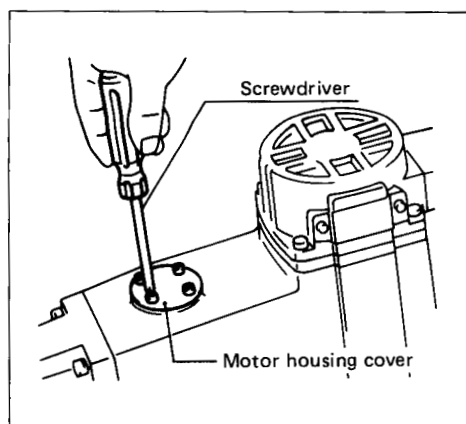
Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.



Lubrication

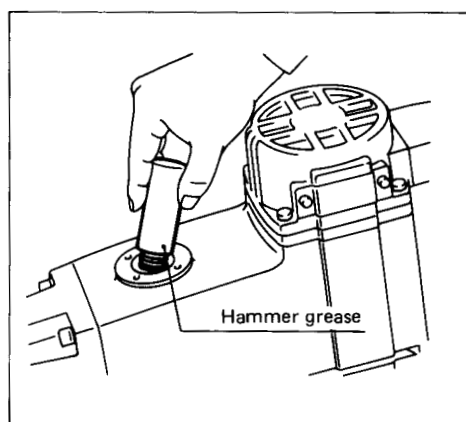
This tool requires no hourly or daily lubrication. It should be relubricated each time the carbon brushes are replaced.

Use a screwdriver to remove the motor housing cover, then replenish with fresh grease. (30 g; 1 oz.)



CAUTION:

- Filling with more than the specified amount of grease (approx. 30 g; 1 oz.) can cause faulty hammering action or tool failure. Fill only with the specified amount of grease.
- Use only Makita genuine grease. The use of any other grease may harm the tool.



To maintain SAFETY and RELIABILITY, repairs, any other amaintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

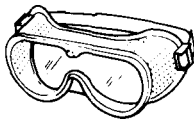
ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

• Safety goggles

Part No. 191686-2



• Hex wrench

#5 Part No. 783203-8

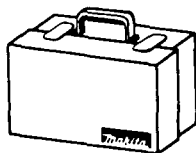
#6 Part No. 783204-6

#10 Part No. 783207-0



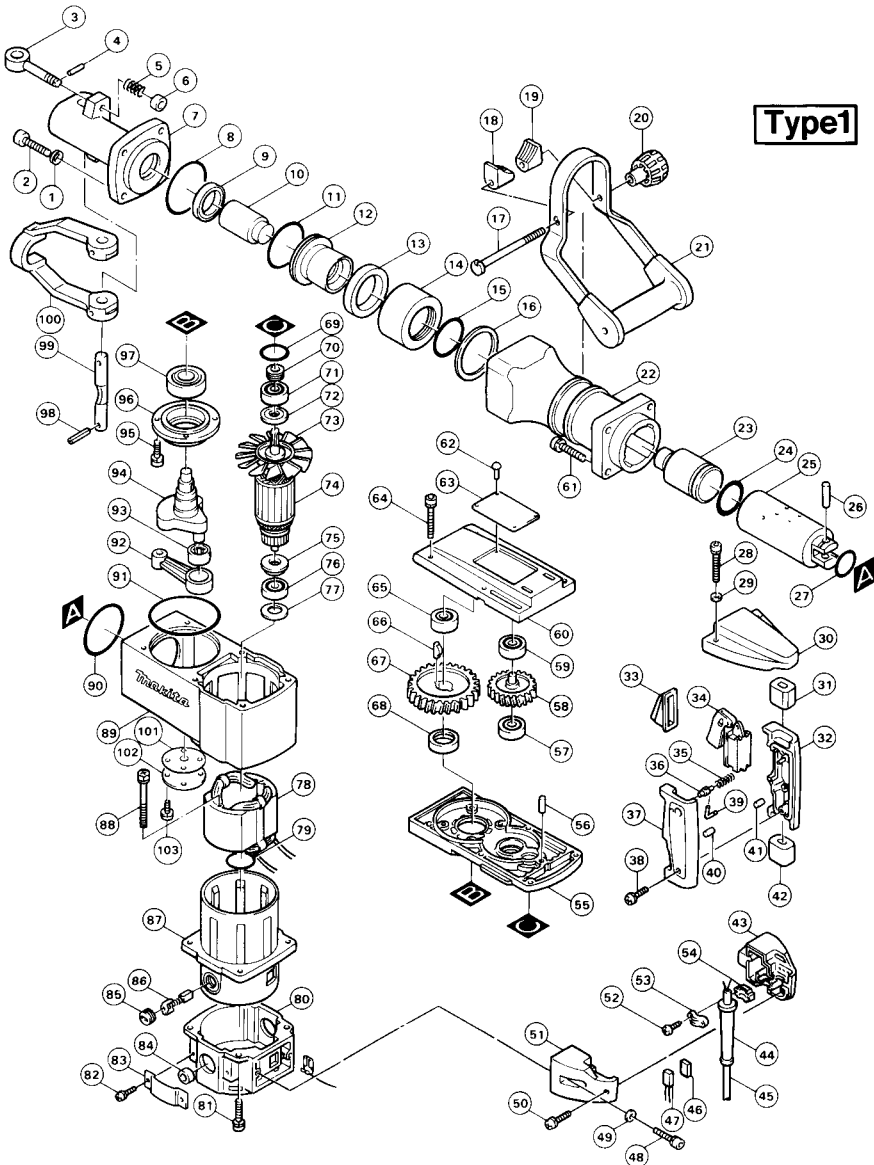
• Steel carrying case

Part No. 182557-4



DEMOLITION HAMMER

Model HM1500B



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	4	Spring Washer 12	54	1	Strain Relief
2	4	Hex. Socket Head Bolt M12x40 (With Washer)	55	1	Gear Housing
3	2	Tool Retainer Pin	56	1	Pin 6
4	2	Pin 4	57	1	Ball Bearing 6201LLB
5	2	Compression Spring 13	58	1	Helical Gear 37
6	2	Retainer Ring	59	1	Ball Bearing 6201LLB
7	1	Tool Holder	60	1	Gear Housing Cover
8	1	O Ring 75	61	4	Hex. Socket Head Bolt M8x40 (With Washer)
9	1	X Ring 40	62	4	Rivet 0 - 5
10	1	Impact Bolt	63	1	Name Plate
11	1	O Ring 63	64	4	Hex. Socket Head Bolt M6x55 (With Washer)
12	1	Impact Bolt Holder	65	1	Ball Bearing 6202LLB
13	1	Rubber Ring 54	66	2	Woodruff Key 4
14	1	Cylinder (B)	67	1	Helical Gear 55
15	1	O Ring 53	68	1	Oil Seal 25
16	1	Rubber Washer 63	69	1	O Ring 25
17	1	Set Bolt M10x120	70	1	Sealing Screw
18	1	Handle Base	71	1	Ball Bearing 6202LLB
19	1	Handle Base	72	1	Dust Seal 15
20	1	Wing Nut M10	73	1	Fan 104
21	1	Side Handle	74	1	ARMATURE ASSEMBLY (With Item 71 - 76)
22	1	Barrel	75	1	Insulation Washer
23	1	Striker	76	1	Ball Bearing 6200LLB
24	1	O Ring 45	77	1	Flat Washer 18
25	1	Piston Cylinder	78	1	Field
26	1	Pin 10	79	1	O Ring 30
27	1	O Ring 33	80	1	Rear Case
28	2	Hex. Socket Head Bolt M6x55 (With Washer)	81	4	Hex. Socket Head Bolt M6x35 (With Washer)
29	2	Flat Washer 6	82	4	Pin Head Screw M5x12 (With Washer)
30	1	Upper Handle	83	2	Holder Cap Plate
31	1	Rubber	84	2	Rubber Ring 12
32	1	Handle Set (With Item 37)	85	2	Brush Holder Cap
33	1	Dust Cover	86	2	Carbon Brush
34	1	Switch	87	1	Motor Housing
35	1	Compression Spring 6	88	2	Hex. Bolt M5x75 (With Washer & Bond)
36	1	Lock Button	89	1	Crank Housing
37	1	Handle Set (With Item 32)	90	1	O Ring 75
38	2	Pin Head Screw M5x28 (With Washer)	91	1	O Ring 30
39	1	Lock Pin	92	1	Connecting Rod
40	1	Rubber Pin 4	93	1	Needle Bearing 2016
41	1	Rubber Pin 4	94	1	Crank Shaft
42	1	Rubber	95	4	Hex. Socket Head Bolt M6x22 (With Washer)
43	1	Lower Handle Set (With Item 51)	96	1	Bearing Box
44	1	Cord Guard	97	1	Ball Bearing 6205
45	1	Cord	98	2	Spring Pin 8-40
46	2	Hex. Socket Head Bolt M6x35 (With Washer)	99	1	Tool Retainer Shaft
47	2	Flat Washer 6	100	1	Tool Retainer
50	1	Pin Head Screw M5x28 (With Washer)	101	1	Motor Housing Packing
51	1	Lower Handle Set (With Item 43)	102	1	Motor Housing Cover
52	2	Tapping Screw 4x18	103	4	Pin Head Screw M5x12 (With Washer)
53	1	Strain Relief			

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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